

PATENT

1999B062AU

Response to OA dated 11/1/05

Response dated 3/1/06

IN THE SPECIFICATION:

Please amend paragraph [0001] as follows:

[0001] This application is a continuation-in-part of Serial No. 09/736,524, filed December 13, 2000, now allowed U.S. Patent No. 6,626,219, that claims the benefit of Provisional Application No. 60/173,346, filed December 28, 1999, the disclosures of which are incorporated by reference in their entireties.

Please amend paragraph [0017] as follows:

[0017] In the present invention, compositions comprising halogenated isobutylene-co-alkylstyrene polymers, preferably brominated isobutylene-co-methylstyrene polymers and blends of a second rubber, such as isobutylene-based rubbers and/or ethylene elastomers (EPDM) and/or BIMS, exhibit improved heat resistance while retaining the superior barrier properties of butyl rubber inner tubes. The inner tube may comprise halogenated isobutylene-co-paramethylstyrene polymer, preferably brominated isobutylene-co-paramethylstyrene polymer or a blend comprising a second isobutylene based rubber and BIMS. The inner tube comprising the BIMS alone or the blend comprising at least 15 parts per hundred rubber halogenated isobutylene-co-paramethylstyrene in one embodiment, at least 25 parts per hundred rubber halogenated isobutylene-co-paramethylstyrene in another embodiment, and at least 40 parts per hundred rubber halogenated isobutylene-co-alkylstyrene and at least 100 parts per hundred rubber halogenated isobutylene-co-alkylstyrene in other embodiments. As previously stated, the halogenated isobutylene-co-paramethylstyrene polymers are preferably brominated isobutylene-co-paramethylstyrene polymers (BIMS). The term parts per hundred rubber or "phr" is well understood in the art.